

ABSTRACT

A composite optical component and its manufacturing method are disclosed. A holding member or an optical functional device is subjected to elastic deformation, with both of them fixed together, and 5 the optical functional device is subjected to plastic deformation by heating to reduce stress between two components in such a way that the holding member and optical functional device will be slide-fitted with each other; sliding resistance between the optical functional device and enclosure per "b" in longitudinal direction of the optical component will be $F \leq a/b \times S \times E$; or the optical functional device and holding member will be slide-fit by formation of one integral body in the mold, thereby preventing thermal distortion and distortion of the optical functional device due to recovery of elastic deformation of a reinforcing member, with the result that manufacturing costs can be reduced while a high degree of straightness and high surface precision are maintained.